

AUTHOR INDEX

Araki, Y. 147, 159
Aspinall, G.O. 13

Benedetti, L. 73
Blaschek, W. 293
Brade, H. 65

Callegaro, L. 73
Campana, S. 31
Carlson, R.W. 205
Cesàro, A. 117
Chandrasekaran, R. 171
Colli, W. 329
Couto, A.S. 329
Crescenzi, V. 73

Dabrowski, J. 1
De Lederkremer, R.M. 329
Dell, A. 39
Dentini, M. 73
Dutton, G.G.S. 39

Eggleston, G. 185
Eguchi, H. 147, 159

Fournet, B. 197
Franz, G. 293

Gamini, A. 117
Ganter, J. 31
Gidley, M.J. 185
Gray, G.R. 221
Grosskurth, H. 1
Gruter, M. 273

Haishima, Y. 55
Hart, M.J. 83
Hashimoto, N. 317
Hisamatsu, M. 137
Hisamichi, K. 317
Hisatsune, K. 55

Hollingsworth, R.I. 261
Holst, O. 65

Jansson, P.-E. 325

Kamerling, J.P. 273
Karamanos, Y. 197
Käsbauer, J. 293
Katzenellenbogen, E. 51, 249
Kaya, S. 147, 159
Kholodkova, E.V. 1
Knirel, Yu.A. 1, 249
Kobayashi, H. 105, 317
Kocharova, N.A. 249
Kochetkov, N.K. 1, 249
Kojima, N. 159
Kol, O. 197
Komido, M. 317
Kondo, S. 55
Kosma, P. 65
Kraus, J. 293
Krishnaiah, B.S. 205
Kuiper, J. 273
Kuma-Mintah, A. 39

Lee, E.J. 171
Leefflang, B.R. 273
Lüderitz, O. 83

McDonald, A.G. 13
Milas, M. 31
Moran, A.P. 309
Morris, E.R. 185

Navarini, L. 117
Ng, S.K. 39
Nishidate, Y. 105

Oxley, D. 237

Pang, H. 13
Parolis, H. 39, 93

Parolis, L.A.S. 93
Priefer, U.B. 261

Reason, A. 39
Rinaudo, M. 31
Romanowska, E. 51, 249

Scholz, D. 309
Segatori, M. 73
Shashkov, A.S. 1, 51, 249
Shaw, D.H. 83
Sherman, J.S. 221
Shibata, N. 105, 317
Stanislavsky, E.S. 1
Strecker, G. 197
Suzuki, S. 105, 317

Takahashi, S.-i. 105
Takaku, M. 105
Takikawa, M. 105
Tiblandi, C. 73
Tomasi, G. 117

Uhrig, M.L. 329

Vidotto, S. 117
Vinogradov, E.V. 1
Vliegthart, J.F.G. 273

Watanabe, M. 317
Whittaker, D.V. 93
Widmalm, G. 325
Wieruszeski, J.-M. 197
Wilkinson, S.G. 237
Witkowska, D. 51

Yokota, S.-i. 159

Zähringer, U. 309
Zalish, R. 197
Zhang, Y. 261
Zingales, B. 329

SUBJECT INDEX

- Acetolysis and NMR studies of the D-mannan of *Saccharomyces cerevisiae* X2180-A wild-type strain, 317
- Acidic glycan from the reference strain for *Serratia marcescens* serogroup O22, structure of an, 237
- Aeromonas salmonicida* ssp. *salmonicida*, structure of the core oligosaccharide in the lipopolysaccharide isolated from, 83
- Antitumour storage and solubilised cell-wall (1 → 3), (1 → 6)- β -D-glucans of *Pythium aphanidermatum*, culture, cell-wall composition, and isolation and structure of, 293
- Bacterial polysaccharide gellan, synthesis and preliminary characterisation of new esters of the, 73
- Bacteriophage degradation and inverse-detected NMR experiments, a re-investigation of the structure of the capsular polysaccharide of *Klebsiella* K15 using, 93
- Bradyrhizobium japonicum* 61A101c and its symbiotically defective lipopolysaccharide mutant JS314, structures of the oligosaccharides obtained from the core regions of the lipopolysaccharides of, 205
- Campylobacter jejuni* serotypes O:23 and O:26, structures of the O chains from lipopolysaccharides of, 13
- Candida stellatoidea* Types I and II, structural comparison of the D-mannans of the pathogenic yeasts, 105
- Capsular antigen of *E. coli* O8:K46:H30, determination of structure using FABMS and 2D-NMR spectroscopy, 39
- O Chains from lipopolysaccharides of *Campylobacter jejuni* serotypes O:23 and O:26, structures of the O chains from, 13
- Conformational stability and gelation of *Rhizobium* capsular polysaccharide, effect of the selective removal of α -D-galactose side chains by guar α -D-galactosidase, 185
- Cyclic (1 → 2)- β -D-glucans (cyclosophorans) produced by *Agrobacterium* and *Rhizobium* species, 137
- Cyclosophorans [cyclic (1 → 2)- β -D-glucans] produced by *Agrobacterium* and *Rhizobium* species, 137
- 3-Deoxy-D-manno-2-octulosonate (Kdo) in lipopolysaccharides of representatives of the family Vibrionaceae and the occurrence of Kdo 4-phosphate in their inner-core regions, taxonomic implication of the apparent undetectability of, 55
- 2,3-Diamino-2,3-dideoxy-D-glucose (GlcN3N), methylation analysis in the determination of the structure of disaccharides containing, 309
- 2,4-Dihydroxy-3,3,4-trimethylpyroglutamic acid, occurrence as an N-acyl substituent in the O-polysaccharide chain of the lipopolysaccharide of *Vibrio anguillarum* V-123, 147
- Dissaccharides containing 2,3-diamino-2,3-dideoxy-D-glucose (GlcN3N) associated with the backbone of lipid A, methylation analysis in the determination of the structure of, 309
- Disaccharides of 3-deoxy-D-manno-octulopyranosonic acid (Kdo), GLC-MS of reduced, acetylated, and methylated (2 → 4)- and (2 → 8)-linked, 65
- Enterobacter agglomerans*, structure of the O-specific polysaccharide chain of the lipopolysaccharide, 197
- Escherichia coli* O8:K46:H30, determination of the structure of the capsular antigen by FABMS and 2D-NMR spectroscopy, 39
- Ester-containing polysaccharides, studies of model compounds for analysis by the reductive cleavage method, 221
- Esters of the bacterial polysaccharide gellan, synthesis and preliminary characterisation of new, 73
- Exopolysaccharide produced by *Lactococcus lactis* subspecies *cremoris* H414 grown in a defined medium or skimmed milk, structure of the, 273
- Galactoglucan from *Rhizobium meliloti* strain YE-2(SI), solution conformation and properties of the, 117

- Gel-forming capsular polysaccharide from *Rhizobium trifolii*, the "pseudo double-helical" structure of the, 171
- Gellan family of bacterial polysaccharides, solution properties, 31
- Gellan, synthesis and preliminary characterisation of new esters of the bacterial polysaccharide, 73
- GLC-MS of reduced, acetylated, and methylated (2 → 4)- and (2 → 8)-linked disaccharides of 3-deoxy-D-manno-octulopyranosonic acid (Kdo), 65
- Glucans, cyclic (1 → 2)- β -D-, produced by *Agrobacterium* and *Rhizobium* species, 137
- Glucans of *Pythium aphanidermatum*, culture, cell-wall composition, and isolation and structure of antitumour storage and solubilised cell-wall (1 → 3), (1 → 6)- β -D-, 293
- Glycan from the reference strain for *Serratia marcescens* serogroup O22, structure of an acidic, 237
- Glycerol teichoic acid-like O-specific polysaccharide of *Hafnia alvei* 1205, the structure of, 249
- Hafnia alvei* strain 38 lipopolysaccharide, the structure of the O-specific polysaccharide from, 51
- Klebsiella* K15, a re-investigation of the structure of the capsular polysaccharide of, using bacteriophage degradation and inverse-detected NMR experiments, 93
- Lactococcus lactis* subspecies *Cremoris* H414 grown in a defined medium or skimmed milk, structure of the exopolysaccharide produced by, 273
- Lipopolysaccharide isolated from *Aeromonas salmonicida* ssp. *salmonicida*, structure of the core oligosaccharide in the, 83
- Lipopolysaccharide of *Enterobacter agglomerans*, structure of the O-specific polysaccharide chain of the, 197
- Lipopolysaccharide of *Salmonella arizonae* O61, the structure of the O-specific polysaccharide chain of the, 1
- Lipopolysaccharide of *Vibrio anguillarum* V-123, occurrence of 2,4-dihydroxy-3,3,4-trimethylpyroglutamic acid as an *N*-acyl substituent in the O-polysaccharide chain of the, 147
- Lipopolysaccharide of *Vibrio anguillarum* V-123, structure of the O-polysaccharide of the, 159
- Lipopolysaccharide, the structure of the O-specific polysaccharide from *Hafnia alvei* strain 38, 51
- Lipopolysaccharides of *Bradyrhizobium japonicum* 61A101c and its symbiotically defective lipopolysaccharide mutant JS314, structures of the oligosaccharides obtained from the core regions of the, 205
- Lipopolysaccharides of *Campylobacter jejuni* serotypes O:23 and O:26, structures of the O chains from, 13
- Lipopolysaccharides of representatives of the family Vibrinaceae and the occurrence of Kdo 4-phosphate in their inner-core regions, taxonomic implication of the apparent undetectability of 3-deoxy-D-manno-2-octulose (Kdo) in, 55
- Lipopolysaccharides of symbiotically impaired *Rhizobium leguminosarum* biovar *viciae* VF-39 mutants, characterization of structural defects in the, 261
- D-Mannan of *Saccharomyces cerevisiae* X2180-1A wild-type strain, mild acetolysis and NMR studies of the, 317
- D-Mannans of the pathogenic yeasts *Candida stellatoidea* Types I and II, structural comparison of the, 105
- Metabolic labelling and partial characterisation of a sulfoglycolipid in *Trypanosoma cruzi* trypomastigotes, 329
- Methylation analysis in the determination of the structure of disaccharides containing 2,3-diamino-2,3-dideoxy-D-glucose (GlcN3N) associated with the backbone of lipid A, 309
- Model compounds for the analysis of ester-containing polysaccharides by the reductive-cleavage method, studies of, 221
- NMR spectroscopy and FABMS, determination of the structure of the capsular antigen of *E. coli* O8:K46:H30 by 2D, 39
- Octulopyranosonic acid (Kdo), GLC-MS of reduced, acetylated, and methylated (2 → 4)- and (2 → 8)-linked disaccharides of 3-deoxy-D-manno-, 65
- Oligosaccharide in the lipopolysaccharide isolated from *Aeromonas salmonicida* ssp. *salmonicida*, structure of the core, 83
- Oligosaccharides obtained from the core regions of the lipopolysaccharides of *Bradyrhizobium japonicum* 61A101c and its symbiotically defective lipopolysaccharide mutant JS314, structures of the, 205
- Polysaccharide chain of the lipopolysaccharide of *Enterobacter agglomerans*, structure of the O-specific, 197

- Polysaccharide chain of the lipopolysaccharide of *Salmonella arizonae* O61, the structure of the O-specific, 1
- O-Polysaccharide chain of the lipopolysaccharide of *Vibrio anguillarum* V-123, structure of the, 159
- Polysaccharide from *Hafnia alvei* strain 38 lipopolysaccharide, the structure of the O-specific, 51
- Polysaccharide from *Rhizobium trifolii*, the "pseudo-helical" structure of the gel-forming capsular, 171
- Polysaccharide of *Hafnia alvei* 1205, the structure of a glycerol teichoic acid-like O-specific, 249
- Polysaccharide of *Klebsiella* K15, a re-investigation of the structure using bacteriophage degradation and inverse-detected NMR experiments, 93
- Polysaccharide S-84 elaborated by *Pseudomonas* ATCC 31562, structure and depolymerization using fuming hydrochloric acid, 325
- Polysaccharide, selective removal by guar α -D-galactosidase of α -D-galactose side chains from *Rhizobium* capsular polysaccharide, and the effect on conformational stability and gelation, 185
- Polysaccharides of the gellan family, the solution properties of bacterial, 31
- Polysaccharides, studies of model compounds for the analysis by the reductive-cleavage method of ester-containing, 221
- Pseudomonas* ATCC 31562, structure of the polysaccharide S-84 elaborated by, and depolymerisation using fuming hydrochloric acid, 325
- Pythium aphanidermatum*, culture, cell-wall composition, and isolation and structure of antitumour storage and solubilised cell-wall (1 \rightarrow 3), (1 \rightarrow 6)- β -D-glucans, 293
- Rhizobium* capsular polysaccharide, selective removal by guar α -D-galactosidase of α -D-galactose side chains and the effect on conformational stability and gelation, 185
- Rhizobium leguminosarum* biovar *viciae* VF-39 mutants, characterization of structural defects in the lipopolysaccharides of symbiotically impaired, 261
- Rhizobium meliloti* strain YE-2(SI), solution conformation and properties of the galactoglucan from, 117
- Rhizobium trifolii*, the "pseudo-helical" structure of the gel-forming capsular polysaccharide from, 171
- Saccharomyces cerevisiae* X2180-1A wild-type strain, mild acetolysis and NMR studies of the D-mannan of, 317
- Salmonella arizonae* O61, the structure of the O-specific polysaccharide chain of the lipopolysaccharide of, 1
- Serratia marcescens* serogroup O22, structure of an acidic glycan from the reference strain for, 237
- Solution conformation and properties of the galactoglucan from *Rhizobium meliloti* strain YE-2(SI), 117
- Solution properties of bacterial polysaccharides of the gellan family, 31
- Structure of the expopolysaccharide produced by *Lactococcus lactis* subspecies *cremoris* H414 grown in a defined medium or skimmed milk 273
- Structure of the polysaccharide S-84 elaborated by *Pseudomonas* ATCC 31562 and depolymerisation using fuming hydrochloric acid, 325
- Sulfoglycolipid in *Trypanosoma cruzi* trypomastigotes, metabolic labelling and partial characterisation of a, 329
- Symbiotically impaired *Rhizobium leguminosarum* biovar *viciae* VF-39 mutants, characterization of structural defects in the lipopolysaccharides of, 261
- Taxonomic implication of the apparent undetectability of 3-deoxy-D-manno-2-oxotulosonate (Kdo) in lipopolysaccharides of representatives of the family Vibrionaceae and the occurrence of Kdo 4-phosphate in their inner-core regions, 55
- Teichoic acid-like O-specific polysaccharide of *Hafnia alvei* 1205, the structure of a glycerol, 249
- Trypanosoma cruzi* trypomastigotes, metabolic labelling and partial characterisation of a sulfoglycolipid in, 329
- Vibrio anguillarum* V-123, occurrence of 2,4-dihydroxy-3,3,4-trimethylpyroglutamic acid as an N-acyl substituent in the O-polysaccharide chain of the lipopolysaccharide of, 147
- Vibrio anguillarum* V-123, structure of the O-polysaccharide chain of the lipopolysaccharide of, 159
- Yeasts (*Candida stellatoidea* Types I and II), structural comparison of the D-mannans of pathogenic, 105

